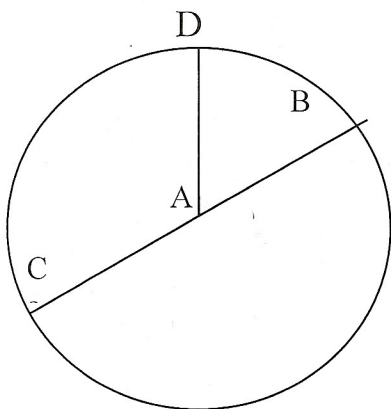


Consider the circle below.



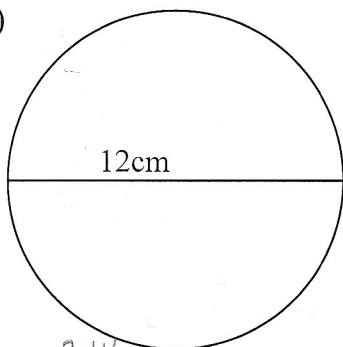
12) Name the center. 12) A

13) Name a radius. 13) \overline{AD} , \overline{AB} or \overline{AC}

14) Name the diameter. 14) \overline{CB}

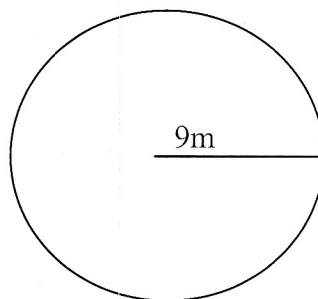
Find the circumference. Use 3.14 for π .

15)



$$15) \begin{array}{r} 3.14 \\ \times 12 \\ \hline 628 \\ 3140 \\ \hline 3768 \end{array} \quad \underline{3768\text{cm}}$$

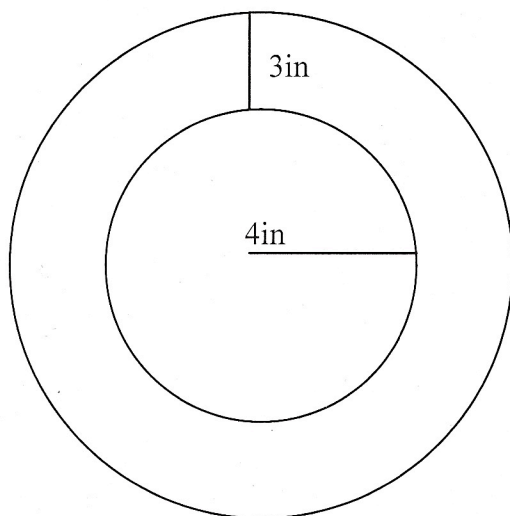
16)



$$16) \underline{56.52\text{m}}$$

$$\begin{array}{r} 3.14 \\ \times 18 \\ \hline 2512 \\ 3140 \\ \hline 5652 \end{array}$$

Find the circumference of both circles.



17) Outer Circle

$$\underline{43.96\text{in}}$$

18) Inner Circle

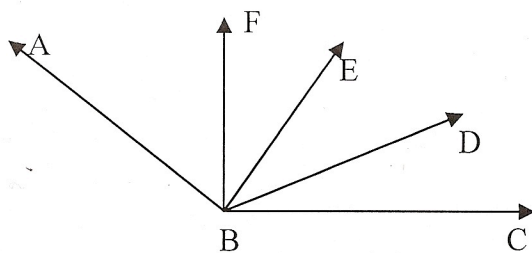
$$\underline{25.12\text{in}}$$

$$3+4=7 \times 2=14$$

$$\begin{array}{r} 3.14 \\ \times 14 \\ \hline 1256 \\ 3140 \\ \hline 4396 \end{array}$$

$$\begin{array}{r} 3.14 \\ \times 8 \\ \hline 2512 \end{array}$$

9) Name the ray that bisects $\angle ABC$.



9) BE

10) How many diagonals can be drawn from any one point of a pentagon?

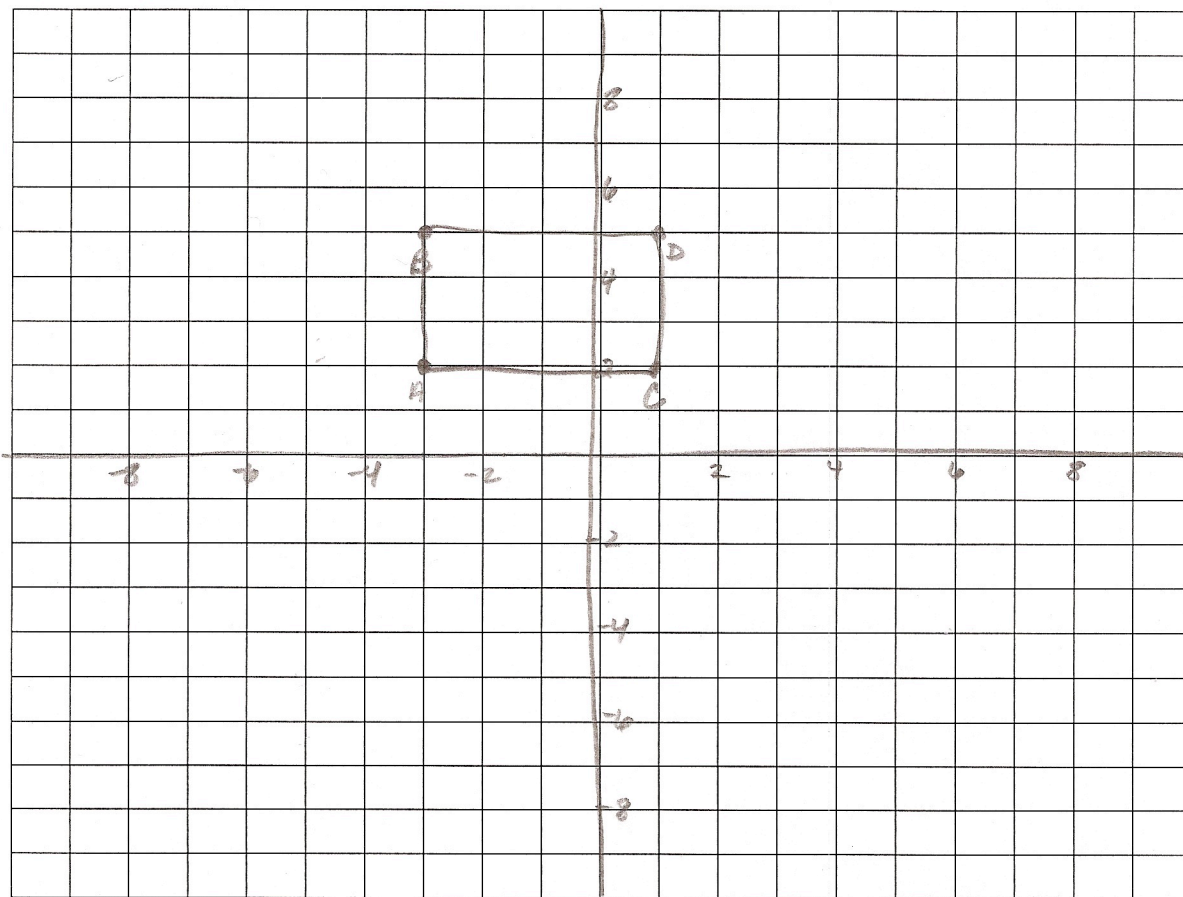
$$\frac{5-3}{2}$$



10) 2

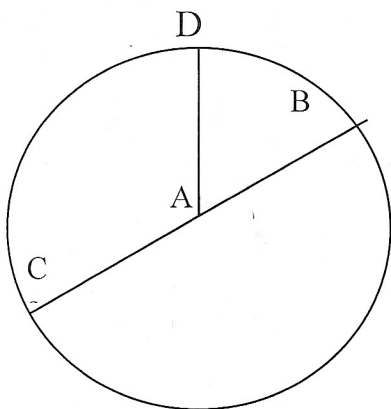
11) Graph the following ordered pairs on a coordinate plane, connect the points, and tell what quadrilateral is created.

$(-3,2)$ $(-3,5)$ $(1,2)$ $(1,5)$
 A B C D



11) rectangle

Consider the circle below.



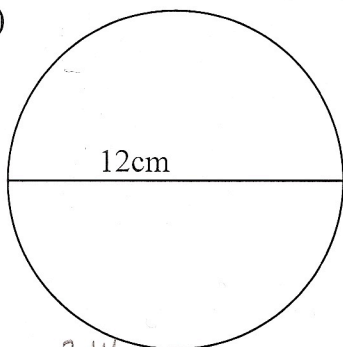
12) Name the center. 12) A

13) Name a radius. 13) \overline{AD} , \overline{AB} or \overline{AC}

14) Name the diameter. 14) \overline{CB}

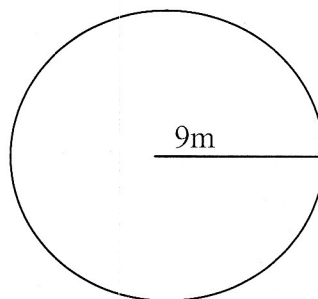
Find the circumference. Use 3.14 for π .

15)



$$15) \begin{array}{r} 3.14 \\ \times 12 \\ \hline 628 \\ 3140 \\ \hline 3768 \end{array} \quad \underline{3768\text{cm}}$$

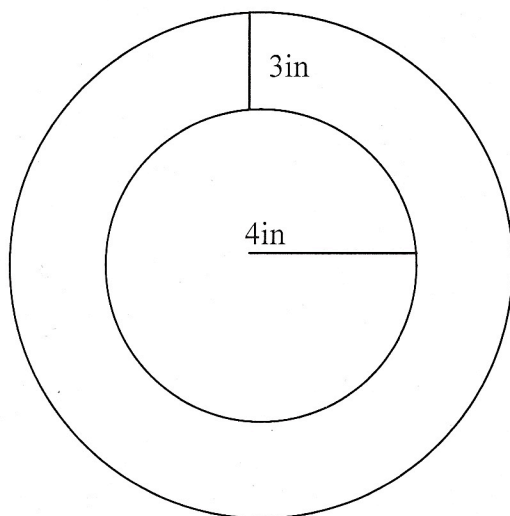
16)



$$\begin{array}{r} 3.14 \\ \times 18 \\ \hline 2512 \\ 3140 \\ \hline 5652 \end{array}$$

16) 56.52m

Find the circumference of both circles.



17) Outer Circle

43.96in

$$3+4=7 \times 2=14$$

$$\begin{array}{r} 3.14 \\ \times 14 \\ \hline 1256 \\ 3140 \\ \hline 4396 \end{array}$$

18) Inner Circle

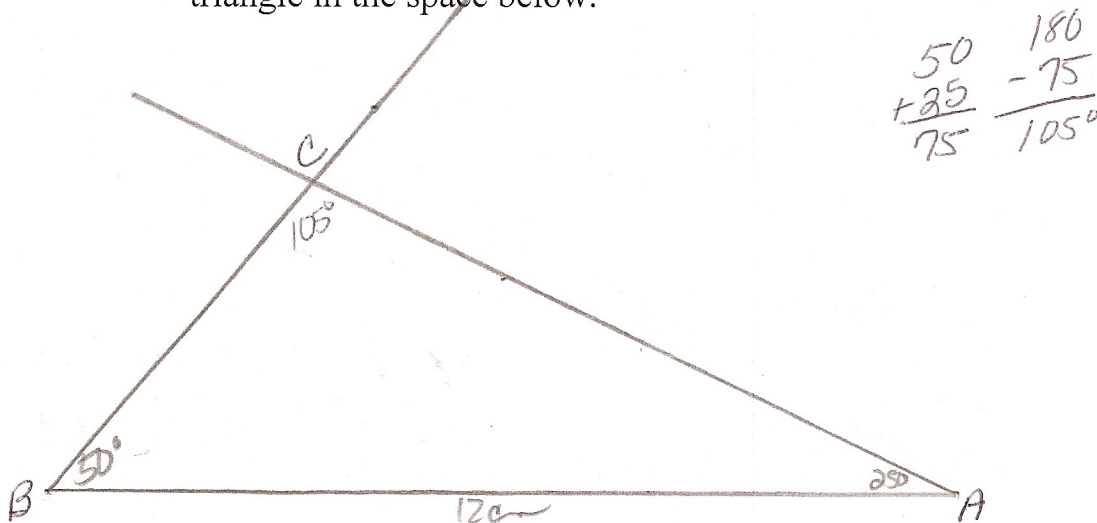
25.12in

$$\begin{array}{r} 3.14 \\ \times 8 \\ \hline 2512 \end{array}$$

Constructed Response

Part A

Triangle ABC has side \overline{AB} which is 12 centimeters long, $m\angle B = 50^\circ$ and $m\angle A = 25^\circ$. Construct the given triangle in the space below.



Part B

Explain why your answer is correct. Use what you know about triangles in your explanation. Use words, numbers, and/or symbols in your explanation.

- all \angle s of Δ s add to equal 180°

- After I constructed my triangle, I measured $\angle C$ to be sure it did equal 105° .

Spiral Review

22) $736 = x + 598$

Solve the equation.

$$\begin{array}{r} 6136 \\ - 598 \\ \hline 138 \end{array}$$

23) $r - 12.42 = 9$

$$\begin{array}{r} 19.00 \\ + 12.42 \\ \hline 31.42 \end{array}$$

24) $16 = \frac{x}{4}$

$$\begin{array}{r} 2 \\ \times 16 \\ \hline 32 \\ \times 4 \\ \hline 64 \end{array}$$

$x = 64$

$$\begin{array}{r} 21.42 \\ - 12.42 \\ \hline 9.00 \\ \times 4 \\ \hline 36 \\ \times 1 \\ \hline 64 \end{array}$$

22) $x = 138$

23) $r = 21.42$

24) $x = 64$